

DESIGN ENVELOPE 4312 TWIN | 1020-007.5 | SUBMITTAL

File No: 100.4784IN

Date: AUGUST 14, 2015

Supersedes: 100.4784IN

Date: MAY 27, 2015

Job:		Representative:	
		Order No:	Date:
Engineer:		Submitted by:	Date:
Contractor:		Approved by:	Date:
PUMP DESIGN DATA		CONTROLS DATA	
No. of pumps:	Tag:	Sensorless control:	Standard
Capacity: m³/h(USgpm) Liquid:		Minimum system pressure to be maintained:	m (ft)*
Temperature:°C (°F)	Specific gravity:	Protocol (standard):	☐ Modbus RTU ☐ BACnet™ MS/TP☐ Johnson® N2 ☐ Siemens® FLN
Suction: 100mm (4")	Discharge: 100mm (4")	Protocol (optional):	☐ LonWorks®
		Enclosure:	□ Indoor - IP55 □ Outdoor - IP66
MOTOR DESIGN DATA		: Fused disconnect switch:	
kW: RPM:	Enclosure:	Duty/standby	
Volts: Hertz: 5	o Hz Phase: 3	pre-wired bridge:	
Efficiency: Frame size:		EMI/RFI control:	Integrated filter designed to meet EN61800-3
MAXIMUM PUMP OPERAT	TING CONDITIONS	Harmonic suppression:	Dual Dc-link reactors (Equivalent: 5% AC line reactor) Supporting IEEE 519-1992 requirements**
PN 16		Cooling:	Fan-cooled through back channel
16 bars at 149°C (232 psig at 300°F) 7 bars at 150°C (100 psig at 300°F)		Ambient temperature:	-10°C to +45°C up to 1000 meters above sea level (-14°F to +113°F, 3300 ft)
PN 25		Analog (/o)	Two current or voltage inputs,
25 bars at 149°C (375 psig at 300°F)		Analog 1/0:	one current output
21 bars at 150°C (260 psig at 300°F)		Digital ı/o:	Six programmable inputs (two can be configured as outputs)
 Tolerance of ±3 mm (±0.125") should be used For exact installation, data please write factory for certified dimensions 		Pulse inputs:	Two programmable
		Relay outputs:	Two programmable
		: Communication port: 1-RS485, 1-USB	
MECHANICAL SEAL DESIGN DATA		*If minimum maintained system pressure is not known: Default to 40% of design head	
See file no. 43.50 for standard mechanical seal details as indicated below		guaranty performance to any syster meet a system wide specification. If Armstrong will run a computer simu	Irive via built-in DC line reactors. This does not n wide harmonic specification or the costs to supplied with the system electrical details, llation of the system wide harmonics. If system

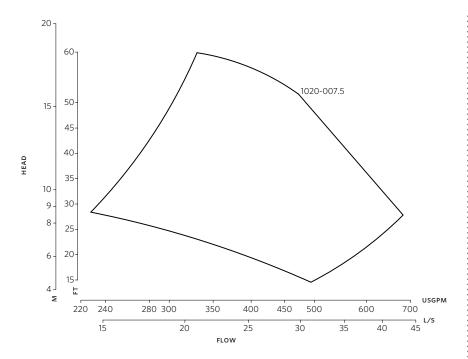
mitigation and the costs for such mitigation.

Armstrong seal reference number

☐ Others:

□ c1 (a)

2



Performance curves are for reference only.

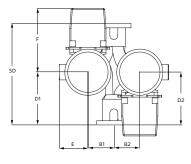
Confirm current performance data with Armstrong ACE Online selection software.

DIMENSION DATA

	INDOOR IP55	
Frame size:	132M	
Size:	1020-007.5	
kW:	7.5	
RPM:	1800	
AB:	705(27.84)	
B1:	290(11.41)	
B2:	290(11.41)	
C1:	479(18.94)	
C2:	481(18.93)	
D1:	284(11.18)	
D2:	284(11.18)	
E:	175(06.97)	
F:	212(08.34)	
P:	280(11.02)	
SD:	508(20.08)	
T:	203(05.31)	
XY:	720(28.34)	
Weight:	171.46(378)	

Dimensions - mm (inch) Weight - kg (lbs)

INDOOR



TORONTO

+1 416 755 2291

BUFFALO

+1 716 693 8813

BIRMINGHAM

+44 (0) 8444 145 145

MANCHESTER

+44 (0) 8444 145 145

BANGALORE

+91 (0) 80 4906 3555

SHANGHAI

+86 21 3756 6696

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